

3/21/2018

Print



Dart Hawkesbury  
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada  
Tel (613) 632-5200

## Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	To	
PO039101	MES002-VC	1	1	Net 30	M17-4-H900-R2.500	17-4 SS H900 Round Bar 2.500" : : M174PH-H900R0.500 MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643				6	3/14/2018	6		S053355	Stock	3/21/2018	\$ 173.95 / ft	0		\$1.04	
		2			M17-4-H900-R0.375	17-4 SS H900 Round Bar 0.375" : : M174PH-H900R0.500 MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643				12		12		S053356	Stock	3/21/2018	\$ 19.95 / ft	0		\$2.00	
Total:										18		18									\$98.04

Plex 3/21/2018 8:37 AM Dart.Dubois.Pascal

## Shipping Order

05/03/2018

METALUX SOLUTIONS INC  
 1625 BOUL JACQUES CARTIER EST  
 LONGUEUIL, QUEBEC  
 J4N 1L7 Tel.: 450 641-3330

Order : 133044  
 Reference : po039101  
 Bid : 26136  
 Ship : PICK UP / PICK UP

Customer: 6323336

## Ship To

DART AEROSPACE LTD  
 1270, ABERDEEN STREET  
 HAWKESBURY, ONTARIO  
 K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
SR212174	17-4 PH STAIN ROU 2.500" DIA COND. H900 1 X 72" ***** ht: 3511	6	6	DAS 11 9-89
SR32174	17-4PH ROU .375 DIA COND. H900 2 X 72" ***** ht: 673237	12	12	DAS 11 MAR 2 1 2018

ship journey collect

jp



Shipping : \_\_\_\_\_  
 Package No : \_\_\_\_\_

Ref: \_\_\_\_\_

Merchandise Received: \_\_\_\_\_



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO039101**

**Supplier:** MES002-VC  
Metaux Solutions  
2625 boul Jacques-Cartier Est  
Longueuil  
QC  
J4N 1L7 Canada  
Phone: 800 558 8858  
Fax: 514 633 8044

**PO No:** PO039101

**PO Date:** 2/23/18

**Due Date:** 3/14/18

**Purchase Order**

**Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**E-MAILED**

**FEB 23 2018**

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground

**Pynt Terms:** Net 30

**Freight Terms:**

**Special Comments:** bid 26136

## **Items**

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M17-4-H900-R2.500		17-4 SS H900 Round Bar 2.500" : : M174PH-H900R0.500 MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643	Firmed	3/14/18	6 ft	0 ft	6 ft	\$173.95/ft	\$1,043.70
2	M17-4-H900-R0.375		17-4 SS H900 Round Bar 0.375" : : M174PH-H900R0.500 MATERIAL: 17-4 PH COND. H900 AS PER AMS 5643	Firmed	3/14/18	12 ft	0 ft	12 ft	\$19.95/ft	\$239.40
<b>Grand Total:</b>										<b>\$1,283.10</b>

## **Order Notes**

### **Procurement Quality Clauses**

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 2/23/18 10:57 AM dart.lavoie.chantal

DAS  
11  
9-89

DAS  
11  
9-89

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-H-900-RO.375  
DATE: MAR 21 2018

PO / BATCH NO. 039101/5053356

MATERIAL CERT REC'D: YES  
QUANTITY RECEIVED: 12  
QUANTITY INSPECTED: 12  
QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.375  
THICKNESS RECEIVED: 0.375  
SHEET SIZE ORDERED: N/A  
SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	Aston 4564
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	Heat # 673237
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	WEBSTER
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>		SIGNED OFF BY: _____	
DATE: <u>9-89 MAR 21 2018</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR  
GRAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD STRENGTH PER TABLE  
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: AMS 5643 OR ASTM A564  
PART NUMBER: M17-4- R X.XXX WHERE: HHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)  
COND O.D. X.XXX = DIAMETER (IN INCHES)

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	(NONE SPECIFIED (CONDITION A NOT ACCEPTABLE))	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	(CONDITION A (SOLUTION TREATED))		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS  
MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE  
CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

EXAMPLES:

PART NUMBER  
4.000" DIAMETER BAR MIN UTS = 150 KSI, MIN YTS = 100 KSI  
2.500" DIAMETER BAR H900 CONDITION  
3.250" DIAMETER BAR H1025 CONDITION  
0.750" DIAMETER BAR A CONDITION  
M17-4-R4.000  
M17-4-H900-R2.500  
M17-4-H1025-R3.250  
M17-4-CONDA-R0.750

RELEASED  
2017-10-31  
ECM17-728

APPROVED

REV.	DESCRIPTION	BY	DATE
A	NEW ISSUE	CP	05.03.16
B	REFORMAT DWG. S17400 TYPE 630 ADDED TO REF PART 08-020A	VS	10.05.20
C	ADDED MATERIAL CONDITION (CIR 17-107)	NO	17.09.14
DESIGN	NO	NO	
DRAWN	NO	NO	
CHECKED	CP	CP	
MFG. APPR.	RA	RA	
APPROVED	WM	WM	
DE APPR.	CP	CP	
DATE	17.09.14		

DART AEROSPACE LTD  
HAWKESBURY, ONTARIO, CANADA  
REV. C  
SHEET 1 OF 1  
SCALE  
NTS

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ALL RIGHTS RESERVED  
NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING

# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 01

Certification Date  
2-MAR-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

44265-J

Invoice Number  
T376651

PART NUMBER/NUMÉRO DE PIÈCE

510503

<b>SOLD TO:</b> METAUX SOLUTIONS INC.	<b>SHIP TO:</b> METAUX SOLUTIONS (RIVE-SUD)
<b>VENDU À:</b> 2625 BOUL JACQUES CARTIER EST	2625 BOUL JACQUES CARTIER EST
LONGUEUIL QC J4N 1L7	LONGUEUIL QC J4N 1

Description: 17-4 SOL ANN CF BAR

ASTM A564

3/8 RD X 12" L

Line Total: 2 LB

HEAT: 673237

ITEM: 510503

Specifications:

AMS 5643 T

ASTM A564 T630 13

ASME SA564 T630 4

ASTM F899 12

EN 10204 3.1

AMS 2303 F

## CHEMICAL ANALYSIS

C	CB	CR	CU	MN	MO	NI	P
0.015	0.25	15.65	3.35	0.7800	0.26	4.50	0.026
S	SI	TA	CBTA				
0.026	0.26	0.001	0.2510				

RCPT: R314518

COUNTRY OF ORIGIN : ITALY

## MECHANICAL PROPERTIES

DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS RC
COND A	147.0	150.0	16.1	63.3	36
DEV: H900 L	197.0	207.0	12.5	56.1	45

MACRO: OK  
MICRO: OK

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# METCOR INC.

560 BOUL. ARTHUR-SAUVÉ, ST-EUSTACHE, QC, J7R 5A8

Tél.: 450-473-1884

Télécopieur / Fax administration: 450-491-5498

Télécopieur / Fax production: 450 491-6454

## Certificat de Conformité

Certificate of Compliance

BON DE TRAVAIL order	CHARGEMENT load
325921	1

CLIENT / customer 790

METAL SOLUTIONS

2625 BOUL. JACQUES-CARTIER EST

LONGUEUIL

QC J4B 6G6

LIVRÉ À / shipped to:

METAL SOLUTIONS

2625 BOUL. JACQUES-CARTIER EST

LONGUEUIL

QC J4B 6G6

1

COMMANDE DU CLIENT customer po	CLASSIFICATION PIÈCE part classification	MATÉRIEL material	MAÎTRE D'OEUVRE prime contractor	PROGRAM
44268	N/A	17-7PH		
<b>SPECIFICATIONS DU PROCÉDÉ</b> processing specifications				
AGE HARDEN				
CONDITION H 900				
<b>EXIGENCE / requirement</b> <b>SPECIFICATIONS / specified</b> <b>TESTS EXÉCUTÉS / performed</b> <b>RÉSULTATS DE TESTS / results</b>				
HARDNESS		40 - 47 HRC	3	43 - 45 HRC
QUANTITÉ quantity	POIDS weight	DESCRIPTION DES PIÈCES parts description		
3	105	BARRES (1) 2.5 X 72" (2) 0.375 x 72"		

COMMENTAIRES / comments

APPROUVÉ par / Approved by:

15 Marks  
DATE: 2018-03-14

Pierre Piché  
Chief Inspector



APPROUVÉ

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-H900-R2.500  
 DATE: MAR 21 2018

PO / BATCH NO.: 03901/5053355

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 6'  
 QUANTITY INSPECTED: 6'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.500  
 THICKNESS RECEIVED: 2.500  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>Astm A564</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>Heat # 3512</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N <input type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N <input type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> DATE: <u>9-89 MAR 21 2018</u>	SIGNED OFF BY: _____ DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



# SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR  
GRAIN MUST BE ALONG LENGTH OF BAR  
MINIMUM YIELD STRENGTH PER TABLE  
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION: AMS 5643 OR ASTM A564

PART NUMBER: M17-4- HHHH- R X.XXX | WHERE: HHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)  
COND O.D. X.XXX = DIAMETER (IN INCHES)

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	CONDITION A (SOLUTION TREATED)		

NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS  
MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE  
CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED

EXAMPLES:

PART NUMBER  
4.000" DIAMETER BAR MINTUTS = 150 KSI, MIN YTS = 100 KSI  
2.500" DIAMETER BAR H900 CONDITION  
3.250" DIAMETER BAR H1025 CONDITION  
0.750" DIAMETER BAR A CONDITION

RELEASED  
2017-10-31  
E17-728

APPROVED

C	ADDED MATERIAL CONDITION (CIR17-107)	NO	17.09.14
B	REFORMAT DWG. S17400 TYPE 630 ADDED TO PURCHASE MATERIAL (ZN D8-1), ADD A564 SPEC (C8-1).	VS	10.05.20
A	NEW ISSUE	CP	05.03.16
REV.	DESCRIPTION	BY	DATE
DESIGN	NO	NO	
DRAWN	NO	NO	
CHECKED	CP	CP	
MFG. APPR.	RA	RA	
APPROVED	WM	WM	
DE APPR.	CP	CP	
DATE	17.09.14		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M17-4-R			
TITLE 17-4 SS ROUND BAR			
SHEET 1 OF 1			
SCALE NTS			
DATE 17.09.14			
COPYRIGHT © 2016 BY DART AEROSPACE LTD			
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.			

# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date  
2-MAR-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

44265-J

Invoice Number  
S704031

PART NUMBER/NUMÉRO DE PIÈCE

510547

<b>SOLD TO:</b> METAUX SOLUTIONS INC.	<b>SHIP TO:</b> METAUX SOLUTIONS (RIVE-SUD)
<b>VENDU À:</b> 2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1L7	<b>EXPÉDIÉ À:</b> 2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1

Description: 17-4 SOL ANN CF BAR  
2-1/2 RD S/C 6.0" (72.0")  
HEAT: 351L

ASTM A564  
Line Total: 100.26 LB

ITEM: 510547

Specifications:

AMS 5643

ASTM F899 12B

ASTM A564 T630 13

ASTM A388 S1

ASME SA564 T630 07

## CHEMICAL ANALYSIS

C	CB	CO	CR	CU	MN	MO	N
0.0381	0.245	0.058	15.3205	3.181	0.77	0.0255	0.0342
NI	P	S	SI	TA	TI	CBTA	
4.213	0.017	0.022	0.519	0.005	0.002	0.247	

RCPT: R212745

COUNTRY OF ORIGIN : USA

## MECHANICAL PROPERTIES

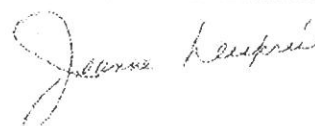
DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
COND A					363
DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS RC
DEV: H900 L	181.11	201.8	12.93	49.57	43

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date  
2-MAR-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

44265-J

Invoice Number  
S704031

PART NUMBER/NUMÉRO DE PIÈCE

510547

SOLD TO: METAUX SOLUTIONS INC.

SHIP TO:

METAUX SOLUTIONS (RIVE-SUD)

VENDU À:

EXPÉDIÉ À:

2625 BOUL JACQUES CARTIER EST  
LONGUEUIL QC J4N 1L7

2625 BOUL JACQUES CARTIER EST  
LONGUEUIL QC J4N 1

Description: 17-4 SOL ANN CF BAR

ASTM A564

2-1/2 RD S/C 6'0" ( 72.0")

Line Total: 100.26 LB

HEAT: 351L

ITEM: 510547

MACRO: OK

MICRO1: OK

## COMMENTS

melted and mfg in usa  
reduction ratio 11.8:1

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

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Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ